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NC Cooperative Extension

/23/2008

NC STATE UNIVERSITY

Thank you to all of the farms that provided the data to us for this presentation!

This presentation will be posted online at:

www.ncaquaculture.org

after the conference.



Mike Frinsko and Joe Thompson 1/23/2008





2007 NORTH CAROLINA TROUT INDUSTRY

Surviving the Drought

41 Food Fish Producers 3,427,500 Pounds (-1.1 m)

@ \$1.41 / Pound (- \$0.01)

Farm Gate Value = \$4,845,300



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2007 NORTH CAROLINA TROUT INDUSTRY

17 Hatcheries 9,352,000 Fingerlings

@ \$0.08 each



"Eyed" Trout Eggs

Farm Gate Value = \$790,550

2007 NORTH CAROLINA TROUT INDUSTRY

26 Fee Fishing Operations

272,000 Pounds (-32,500) @ \$3.46 / Pound (+ \$0.11)

Farm Gate Value = \$941,000



2007 NORTH CAROLINA TROUT INDUSTRY STATUS

2 Processors (-2)

1,600,000 lbs (- 500,000 lbs)
(processed product)
Average Price
of Products
= \$4.84 / pound (+ \$0.55)

Hickay Smided Rainbon Tundi lid

Value Added Trout Products

Value = \$7,740,000

(- \$1.275,000)



Farm Gate and **Processed Product** Value = \$14,316,850

(- \$2,986,150 drought impact)



2007 NORTH CAROLINA **CATFISH INDUSTRY**

34 Food Fish Producers 2,300 Pond Acres 9,014,000 Pounds Weighted Average Price = \$0.819



Farm Gate Value = \$7,382,466

Catfish Farm

2007 NORTH CAROLINA CATFISH INDUSTRY

1 Fingerling Producer 6,500,000 fingerlings

Farm Gate Value = \$520,000



Catfish FINGER-lings

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2007 NORTH CAROLINA CATFISH SALES & PROCESSING

1 Processor
Processed Value=
\$13,200,000



2007 NORTH CAROLINA FEEDS PRODUCTION

1 Mill Producing 25.2 million pounds of feed



Product Value= \$4,000,000



Carolina Fish Feeds, Greenville, NC

1/23/200

2007 NORTH CAROLINA CATFISH INDUSTRY VALUE

Farm Gate, Processed Value Feed Milling = \$25,102,466



23/2008



INDUSTRY*

14 Food Fish Producers 763 Pond Acres 2,666,000 Pounds *

\$2.95 - \$3.00 / PoundFarm Gate Value = \$7,864,700

* 14 Active and 13 Reporting



Dr. Craig Sullivan NC State University

1/23/2008

2007 NORTH CAROLINA HYBRID STRIPED BASS INDUSTRY

5 Hatcheries*
5,010,000 Fingerlings
Produced

@ \$0.20 each



Moving& Grading Hybrid Bass Fingerlings

Farm Gate Value = \$1,002,000

* 5 Active and 4 Reporting

2007 NORTH CAROLINA TILAPIA INDUSTRY STATUS

9 Growout Barns
1,645,835 Pounds
average price \$2.00/lb. (+\$0.20)

Farm Gate Value = \$3,291,670



Dale Pridgen, Tilapia Farmer

1/23/200

2007 NORTH CAROLINA TILAPIA INDUSTRY STATUS

2 Fingerling Barns 1,452,000 each approx. \$0.60 each

Farm Gate Value = \$871,200



Dale Pridgen, Tilapia Farmer





2007 NORTH CAROLINA CRAWFISH INDUSTRY STATUS*

5 Active Growers39 Acres

9,369 Pounds \$3.00 / lb.

Farm Gate Value = \$28,107



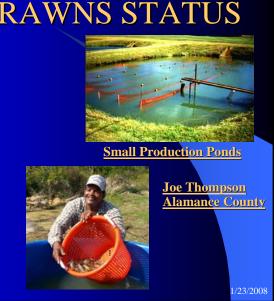
Crawfish

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2007 NORTH CAROLINA FRESHWATER PRAWNS STATUS

8 Growers
20 Acres*
10,000 Pounds
60% frozen tails \$16 / lb.
40% whole fresh \$8 / lb.
Farm Gate Value =
\$80,000

* 7 acres not in production



2007 NORTH CAROLINA FRESHWATER PRAWNS STATUS

1 Hatchery 50,000 post larvae

1 Nursery 350,000 Juveniles



Freshwater Prawns

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2007 NORTH CAROLINA CLAM & OYSTER

INDUSTRY STATISTICS*

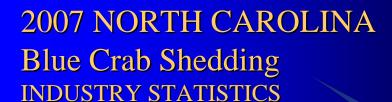
257 Leaseholders1,842 Acres Planted

4993 Bushels Clams
9276 Bushels Oysters
Farm Gate Value = \$528,017



Washing Oysters

*data from Oct. 2006-Oct. 2007





crab molting

297 Active Permits (-41)

365,046 pounds

Farm Gate Value = \$1,670,212



crab shedding tanks

2007 NORTH CAROLINA

Sturgeon (for caviar)

The LaPaz Group



6 – 4,000 gal. tanks 4 - 25,000 gal. tanks



Atlantic Sturgeon, Russian Sturgeon Siberian Sturgeon

Build-Out = 40 - 25,000 gal. tanks



Aquaculture Operations and

Farm Gate Value

165 Farms &257 Shell Fish Leases297 Crab Shedders

Farm Gate = \$29,953,722



Aquaculture = Diversification for Family Farms

2007 NORTH CAROLINA

Aquaculture Processors & Product

Value

3 Processing Plants

Processed Product Value = \$20,940,000



Sydney Seafood Market

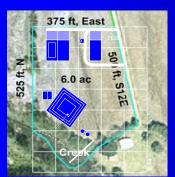
2007 NORTH CAROLINA

Aquaculture Farm Gate, Processed Product and Feed Value

\$54,893,722

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2007 NORTH CAROLINA Two Extraordinary Gifts



Dr. I.J. Won, Geophex Foundation, Raleigh: \$500,000 for the development of a marine aquaculture research station



LaPaz, LLC, Lenoir: \$500,000 for biological & engineering research in intensive fish culture.

2007 US AQUACULTURE CATFISH USDA STATISTICS

980 -1025 Farms (- 5%) 165,259 Acres (- 3%)

500,000,000 Pounds * (- 13%)

2007 Average Farm-bank

Price = \$0.78 (\$0.838 – \$0.666)

Farm Gate Value = \$382,357,000

*whole weight to the process plant (for 2007)

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2005 US AQUACULTURE Census TILAPIA STATUS

128 Farms
17,203,000 lbs.
Farm Gate Value
= \$ 29.62 million (\$1.72)

Imports (Estimated 2006) 350-360 million pounds =780-800 m lbs LWE



Tilapia Farm in California

2006 US AQUACULTURE TROUT (USDA) STATISTICS

604 Operations (selling or distributing)

63,713,000 lbs. (+2.038) (food size & fingerlings)



Farm Gate Value = \$ 74,200,000 (+ 0.655 m) (fish sales only)

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2005 US AQUACULTURE Census HYBRID STRIPED BASS OVERVIEW

67 Farms
10,970,000 lbs.
Produced
\$2.52 / lbs. ave



Farm Gate Value = \$ 27,655,00

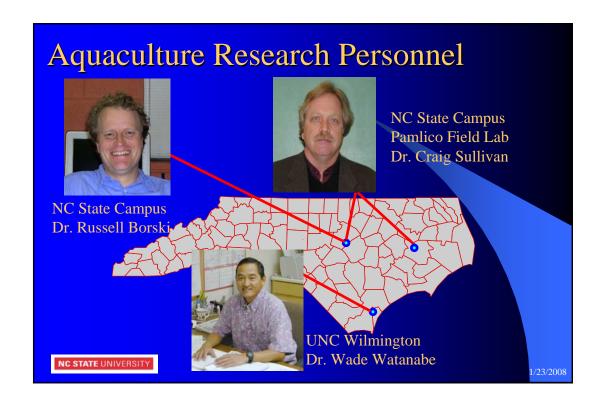




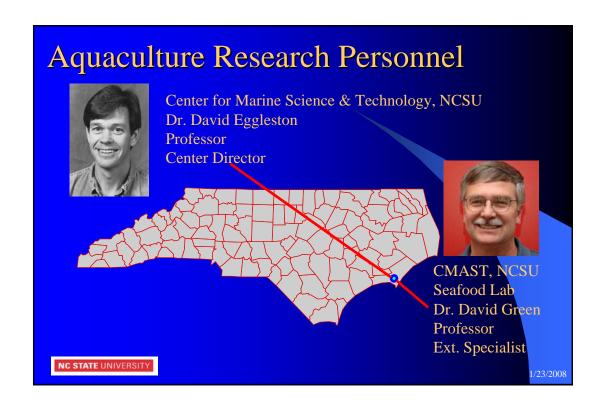












AQUACULTURE IN EDUCATION High Schools

Teaching Science through Aquaculture



Mr. Barry Bey, Instructor & Student South Brunswick High School

/23/2008

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